



March 12, 2018

Rob King Hampton Bays Water District P.O. Box 1013 Hampton Bays, NY 11946

RE: Project: DIST BACT 3/7
Pace Project No.: 7044717

#### Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on March 07, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Stu Murrell stu.murrell@pacelabs.com (631)694-3040

Ster Munell

(631)694-3040 Project Manager

**Enclosures** 

cc: Warren Booth, Hampton Bays Water District John Collins, H2M Group Stella Michaels, Hampton Bays Water District Paul Ponturo, H2M Group





(631)694-3040



**CERTIFICATIONS** 

Project: DIST BACT 3/7
Pace Project No.: 7044717

**Long Island Certification IDs** 

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158 Pennsylvania Certification #: 68-00350 Connecticut Certification #: PH-0435 Maryland Certification #: 208

Rhode Island Certification #: LAO00340 Massachusetts Certification #: M-NY026 New Hampshire Certification #: 2987



#### **SAMPLE SUMMARY**

Project: DIST BACT 3/7
Pace Project No.: 7044717

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7044717001	HB27	Drinking Water	03/07/18 09:25	03/07/18 16:00
7044717002	HB2	Drinking Water	03/07/18 07:45	03/07/18 16:00
7044717003	НВ3	Drinking Water	03/07/18 08:05	03/07/18 16:00
7044717004	HB4	Drinking Water	03/07/18 08:40	03/07/18 16:00
7044717005	HB5	Drinking Water	03/07/18 08:55	03/07/18 16:00
7044717006	HB6	<b>Drinking Water</b>	03/07/18 09:10	03/07/18 16:00
7044717007	HB7	Drinking Water	03/07/18 09:40	03/07/18 16:00
7044717008	HB8	<b>Drinking Water</b>	03/07/18 09:55	03/07/18 16:00
7044717009	HB9	<b>Drinking Water</b>	03/07/18 08:25	03/07/18 16:00
7044717010	HB10	Drinking Water	03/07/18 10:30	03/07/18 16:00
7044717011	HB11	Drinking Water	03/07/18 10:45	03/07/18 16:00

#### **REPORT OF LABORATORY ANALYSIS**



#### **SAMPLE ANALYTE COUNT**

Project: DIST BACT 3/7
Pace Project No.: 7044717

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7044717001	— ———————————————————————————————————	SM22 9223B Colilert	JCA	2
7044717002	HB2	SM22 9223B Colilert	JCA	2
7044717003	HB3	SM22 9223B Colilert	JCA	2
7044717004	HB4	SM22 9223B Colilert	JCA	2
7044717005	HB5	SM22 9223B Colilert	JCA	2
7044717006	HB6	SM22 9223B Colilert	JCA	2
7044717007	НВ7	SM22 9223B Colilert	JCA	2
7044717008	HB8	SM22 9223B Colilert	JCA	2
7044717009	HB9	SM22 9223B Colilert	JCA	2
7044717010	HB10	SM22 9223B Colilert	JCA	2
7044717011	HB11	SM22 9223B Colilert	JCA	2

#### REPORT OF LABORATORY ANALYSIS



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB27	Lab ID: 70	44717001	Collecte	Collected: 03/07/18 09:25 Rec		Received: 03/	07/18 16:00 Ma	trix: Drinking	Water
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Me	ethod:							
Field Residual Chlorine	0.66	mg/L			1		03/07/18 09:25		N3
MBIO Total Coliform DW	Analytical Me	ethod: SM22	2 9223B Col	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	03/07/18 18:15 03/07/18 18:15	03/08/18 12:15 03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB2	Lab ID: 7	Lab ID: 7044717002			8 07:45	Received: 03/	ceived: 03/07/18 16:00 Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical M	lethod:							
Field Residual Chlorine	0.56	mg/L			1		03/07/18 07:45		N3
MBIO Total Coliform DW	Analytical M	lethod: SM22	9223B Col	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	03/07/18 18:15 03/07/18 18:15	03/08/18 12:15 03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB3	Lab ID:	Lab ID: 7044717003		Collected: 03/07/18 08:05		Received: 03/	07/18 16:00 Mat	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical N	Method:							
Field Residual Chlorine	0.40	mg/L			1		03/07/18 08:05		N3
MBIO Total Coliform DW	Analytical N	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/07/18 18:15	03/08/18 12:15		
E.coli	Absent				1	03/07/18 18:15	03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB4	Lab ID:	7044717004	Collecte	ected: 03/07/18 08:40		Received: 03/	07/18 16:00 Ma	0 Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical	Method:							
Field Residual Chlorine	0.53	mg/L			1		03/07/18 08:40		N3
MBIO Total Coliform DW	Analytical	Method: SM22	2 9223B Col	lilert Prepa	aration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/07/18 18:15	03/08/18 12:15		
E.coli	Absent				1	03/07/18 18:15	03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB5	Lab ID: 7	Lab ID: 7044717005		Collected: 03/07/18 08:55		Received: 03/	07/18 16:00 Mat	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical M	lethod:							
Field Residual Chlorine	0.61	mg/L			1		03/07/18 08:55		N3
MBIO Total Coliform DW	Analytical M	1ethod: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/07/18 18:15	03/08/18 12:15		
E.coli	Absent				1	03/07/18 18:15	03/08/18 12:15		

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#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB6	Lab ID: 7044	717006 Collecte	lected: 03/07/18 09:10 Received:		Received: 03/	l: 03/07/18 16:00 Matrix: Drinking Water		
Parameters	Results Ui	Report nits Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Meth	od:						
Field Residual Chlorine	<b>0.50</b> m	g/L		1		03/07/18 09:10		N3
MBIO Total Coliform DW	Analytical Meth	od: SM22 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent			1	03/07/18 18:15	03/08/18 12:15		
E.coli	Absent			1	03/07/18 18:15	03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB7	Lab ID:	Lab ID: 7044717007		Collected: 03/07/18 09:40		Received: 03/	07/18 16:00 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical	Method:							
Field Residual Chlorine	0.59	mg/L			1		03/07/18 09:40		N3
MBIO Total Coliform DW	Analytical	Method: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/07/18 18:15	03/08/18 12:15		
E.coli	Absent				1	03/07/18 18:15	03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB8	Lab ID: 7	Lab ID: 7044717008		Collected: 03/07/18 09:55		Received: 03/	07/18 16:00 Mat	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical N	Method:							
Field Residual Chlorine	0.88	mg/L			1		03/07/18 09:55		N3
MBIO Total Coliform DW	Analytical N	/lethod: SM22	2 9223B Co	lilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms	Absent				1	03/07/18 18:15	03/08/18 12:15		
E.coli	Absent				1	03/07/18 18:15	03/08/18 12:15		

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#### **ANALYTICAL RESULTS**

Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB9	Lab ID: 704	14717009 Co	ollected: 03/07/	18 08:25	Received: 03/	Received: 03/07/18 16:00 Matrix: Drinking Water		
Parameters	Results I	Rep Units Lin	J	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Met	hod:						
Field Residual Chlorine	0.75	mg/L		1		03/07/18 08:25		N3
MBIO Total Coliform DW	Analytical Met	hod: SM22 9223	B Colilert Prep	aration M	lethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	03/07/18 18:15 03/07/18 18:15	03/08/18 12:15 03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB10	Lab ID: 70	044717010	Collecte	ected: 03/07/18 10:30 Red		Received: 03/	Received: 03/07/18 16:00 Matrix: Drinking V		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Me	ethod:							
Field Residual Chlorine	0.66	mg/L			1		03/07/18 10:30		N3
MBIO Total Coliform DW	Analytical Me	ethod: SM22	2 9223B Co	ilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent				1 1	03/07/18 18:15 03/07/18 18:15	03/08/18 12:15 03/08/18 12:15		



Project: DIST BACT 3/7
Pace Project No.: 7044717

Sample: HB11	Lab ID: 70447	17011 Collecte	ed: 03/07/1	8 10:45	Received: 03/	07/18 16:00 Ma	trix: Drinking	Water
Parameters	Results Unit	Report s Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Chlorine and pH	Analytical Method	l:						
Field Residual Chlorine	<b>0.58</b> mg/	L		1		03/07/18 10:45		N3
MBIO Total Coliform DW	Analytical Method	I: SM22 9223B Co	olilert Prepa	ration M	ethod: SM22 922	3B Colilert		
Total Coliforms E.coli	Absent Absent			1 1	03/07/18 18:15 03/07/18 18:15	03/08/18 12:15 03/08/18 12:15		



#### **QUALITY CONTROL DATA**

Project: DIST BACT 3/7

Pace Project No.: 7044717

Date: 03/12/2018 04:13 PM

QC Batch: 58993 Analysis Method: SM22 9223B Colilert

QC Batch Method: SM22 9223B Colilert Analysis Description: TotColDW MBIO Total Coliform

Associated Lab Samples: 7044717001, 7044717002, 7044717003, 7044717004, 7044717005, 7044717006, 7044717007, 7044717008,

7044717009, 7044717010, 7044717011

METHOD BLANK: 270465 Matrix: Drinking Water

Associated Lab Samples: 7044717001, 7044717002, 7044717003, 7044717004, 7044717005, 7044717006, 7044717007, 7044717008,

7044717009, 7044717010, 7044717011

Blank Reporting Limit Analyzed Qualifiers

E.coli Absent 03/08/18 12:15

Total Coliforms Absent 03/08/18 12:15

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



#### **QUALIFIERS**

Project: DIST BACT 3/7
Pace Project No.: 7044717

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

#### **ANALYTE QUALIFIERS**

Date: 03/12/2018 04:13 PM

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.



#### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: DIST BACT 3/7
Pace Project No.: 7044717

Date: 03/12/2018 04:13 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
7044717001	HB27		58909		•
7044717002	HB2		58909		
7044717003	HB3		58909		
7044717004	HB4		58909		
7044717005	HB5		58909		
7044717006	HB6		58909		
7044717007	HB7		58909		
7044717008	HB8		58909		
7044717009	HB9		58909		
7044717010	HB10		58909		
7044717011	HB11		58909		
7044717001	HB27	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717002	HB2	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717003	HB3	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717004	HB4	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717005	HB5	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717006	HB6	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717007	НВ7	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717008	HB8	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717009	HB9	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717010	HB10	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306
7044717011	HB11	SM22 9223B Colilert	58993	SM22 9223B Colilert	59306

#### **REPORT OF LABORATORY ANALYSIS**

	11/	x: (631) 420-8436
:7044717		(631) 694-3040 Fax: (631) 420-8436
WO#:70		111777

Sample Request Form PUBLIC WATER SUPPLIER 111747

## Client Info:

HAMPTON BAYS WATER DISTRICT HAMPTON BAYS, NEW YORK 11946 P.O. BOX TOTS (631) 728-0179 Name or Code: Address:

Phone #: Attn:\_\_

Proj. # or (Name):

Copies To: Bill To: \_

Sample Info:

- Soil

# WELL OFF LINE

3-7-18

Date: \_

Collected By: A LAND

☐ WELL RUN TO SYSTEM

☐ YES ☐ NO VOC'S PRESERVED WITH HCI 600

S

Cooler Temp: Accepted By:

TW - Treated Well D - Distribution RW - Raw Well Purpose
RO - Routine
RE - Resample
S - Special PW - Potable Water SW - Surface Water GW - Groundwater WW - Waste Water Sample Types AQ - Aqueous

GAC - Granular Activated Charcoal N - Nitrate Removal Plant - Iron Removal Plant **Treatment Types** AST - Air Stripper - Other 田 MW - Monitoring Well

- Influent - Effluent

- Tank

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field R Cl <sub>2</sub>	Field Readings	Analysis	Lab No.
418AM	3	18 F	2	j	Ro	79'	7.08	Ber wla	100
3-7-18	3	#	Δ	1	Ro	95'	7.30	Bet wla	700
8:05 AM	3	#3.	Δ	ŧ	120	240	7.03	Ber wla	003
3-7-18	3	. 77	0	١	Ro	,53	2.11	Bac wala	400
3-7-18	3	45,	0	)	Ro	19	7.04	Bro ula	005
91,04m	3	19 to	D	1	RO	35'	7.09	BACT WICE	900
9:404m	3	· ha	0	)	Ro	,59	7.03	Bac wee	T00
3-7-18	3	\8 <sub>\frac{1}{4}</sub>	٥	)	Ro	88'	306	Bact wlce	008
8:15 MM	3	49	0	1	Ro	56'	7.53	Bac wla	600
10:30 Am	3	、〇口	0	1	Ro	99'	2.(8	Bec when	010
MACP:01 Pag	2	1-4	A	ı	RO	,58	66.6	Ber wle	110

### Pace Analytical\*

#### Sample Condition Upon Receipt

Client Nan  Commerci  No  Sign Ziploc  Correction  Cooler Temp	Seals intact			WO#:70	e Date: 04/06/18
□ No gs □ Ziploc Correction	Seals intact				, , , , , , , , , , , , , , , , , , , ,
□ No gs □ Ziploc Correction	Seals intact				
gs	□None □D	: Yes No	L		
Correction				Temperature Blank Pre	esent: Yes No
Correction		her		Type of Ice: Wet Blu	ue None
	Canton	0.0	72.0	Samples on ice, cooling	
COOLE LEILI				Date/Time 5035A kits p	
	perature con	-	/	Date/Time 3033A Kits p	laced III II cc2ci
		Data and	I Initials of no	ercon evamining conto	nto: 60 3/2
			2-100 March 100		
ted States: AL,	, AR, CA, FL, G	I, ID, LA, MS, NC,		including Hawaii and Puerto	Rico)? Yes No
		cklist (F-LI-C-0	10) and inclu	de with SCUR/COC pa	perwork.
				COMMENTS:	
ZYes .	□No	1.			
ZŶes	□No	2.			
ŹYes	□No	3,			
Yes		/A 4.			
Yes	□No	5.			
√Yes	□No	6.			
∃Yes	□No ·	7.			
Yes	□No	8.			
√yes	□No	9.			
2Yes	□No		*		
₫Yes	□No	10.			
∃Yes	□No ØN	A 11. 1	Note if sediment	is visible in the dissolved co	ntainer.
Yes	□No	12.			
OIL					
∃Yes	□No □N	A 13.	□ HNO <sub>3</sub> □	∃ H₂SO₄ □ NaOH	☐ HCI
		Sample #			
TVes	DNO KIN	A			
1100	/				
		Initial wher	n completed:   I	_ot # of added preservative:	Date/Time preservative added
∃Yes	□No ØN	A 14.			
	1		Section for Dec	Chloriana V N	
	4	5 1 L	ositive for Res.	Chlotine? Y N	
	-				
]Yes	UNO UN	A			
		5.115.1	5 10		
				Y / N	
			pate/Time:		
	YES Dout a Regular Reg	DYES NO Dut a Regulated Soil Check DYES NO DYE	Ted States: AL, AR, CA, FL, GA, ID, LA, MS, NC	Sample #   Sample #	Dota a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC particles and Present and Prese

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.